

6. The method of claim 1, wherein forming each organic IC cell further comprises forming at least one integrated organic thin film transistor (OTFT).

7. A method of making an article comprising:

forming a flexible multi-layered sheet, comprising an organic polymer material, into an array of cells in side-by-side relation, with each cell comprising an organic base integrated circuit (IC) energy storage element and front and rear common conducting layers on opposing sides of each cell, the front and rear common conducting layers being coupled in parallel with the organic base IC energy storage element and shared with other cells, and with at least one of the cells being removable so that cells that remain after removing are operable irrespective of whether the removal occurred at an intercell boundary among the cells and so that each operable cell that remains is bordered by a plurality of operable cells after removing, the front common conducting layer comprising a conductive polymer perimeter strip carried along a perimeter of the cell to electrically couple adjacent ones of the cells, and each cell further comprising an organic light emitting diode (OLED) and an organic photovoltaic device (OPV), the OLED being spaced from the conductive polymer perimeter strip by the OPV.

8. The method of claim 7, wherein the array is formed as a monolithic unit.

9. The method of claim 7, wherein the array is formed so that the at least one cell being removable is removable by cutting the flexible multi-layered sheet along at least one intercell boundary.

10. The method of claim 7, wherein the array is formed so that the at least one cell being removable is removable by cutting the flexible multi-layered sheet along at least one straight line.

11. The method of claim 10, wherein the flexible multi-layered sheet is formed into the array so that each cell comprises a light sensitive switch to be coupled to the OPV.

12. The method of claim 7, wherein the flexible multi-layered sheet is formed into the array so that each cell comprises at least one integrated organic thin film transistor (OTFT).

13. A method of making an article comprising:

forming a flexible sheet into an array of cells, with each cell comprising an organic base integrated circuit (IC) energy storage element and front and rear common conducting layers on opposing sides of the cell, the front and rear common conducting layers being coupled in parallel with the organic base IC energy storage element and shared with other cells, and with at least one of the cells being removable so that cells that remain after removing are operable irrespective of whether the removal occurred at an intercell boundary among the cells and so that each operable cell that remains is bordered by a plurality of operable cells after removing, the front common conducting layer comprising a conductive polymer perimeter strip carried along the perimeter of the cell to electrically couple adjacent ones of the cells, each organic IC cell further comprising an organic light emitting diode (OLED) and an organic photovoltaic device (OPV), the OLED being spaced from the conductive polymer perimeter strip by the OPV.

14. The method of claim 13, wherein the array is formed as a monolithic unit.

15. The method of claim 13, wherein the array is formed so that the at least one cell being removable is removable by cutting the flexible multi-layered sheet along at least one intercell boundary.

16. The method of claim 13, wherein the array is formed so that the at least one cell being removable is removable by cutting the flexible multi-layered sheet along at least one straight line.

* * * * *